

U.S. Patent Application No. 09/766,047
Attorney Docket No. 100980-165182

LISTING OF CLAIMS

Claims 1-30. (Cancelled)

Claim 31 (Currently Amended): A system for creating a summary document from stored data, the system comprising:

a database having an input to accept information from a plurality of sources, store the information in an electronic format as data objects, and supply the data objects at an output;

an assembly engine having a first input connected to the database output, a second input to accept a trigger signal for creating a clinical resume, and an output to supply a summary document generated by mining the data objects in the database, wherein the assembly engine generates the clinical resume from the mined data objects automatically within a first number of days of receiving the trigger signal;

a file converter having an input to accept input information including coding data, discharge instructions, laboratory results, pharmacy records, audio and graphical records, and physician transcription information as untagged data, and an output connected to the input of the parsing engine to supply the input information in a format suitable for marking up;

an validator having an input connected to the output of the file converter, the validator checking the converted input information for errors, including inconsistent data, and incompletely entered data, the validator having a first output connected to the parsing engine input to supply accepted input information and a second output to supply unaccepted input information with notated errors, the validator having a second input to accept correction procedures for the unaccepted input information selected from the group including permitting error overrides, correcting errors, returning the entered information for correction, and supplying the input information to the parsing engine after correction; and

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a parsing engine having an input to accept data and an output connected to the database input, the output supplying the coding data, discharge instructions, laboratory results, and pharmacy records as tagged data, and supplying the audio and graphical records, and the physician transcription information as marked up data, the physician transcription information including information concerning present illness, history of present illness, impressions on admission, impressions and plans on admission, admitting diagnosis, diagnosis on admission, consultation data, impression and plan at consultation, impression from consultation, and diagnosis from consultation;

the parsing engine generating the marked up data according to a protocol selected from the group including HTML, XML, SGML, and equivalent protocols;

wherein the database stores the tagged data and the marked up data as the data objects;

wherein the file converter accepts patient admission, discharge date, transfer information, and attending physician information as untagged data in an ADT file and converts the ADT file into a format suitable for marking up;

wherein the parsing engine marks up the untagged data in the converted ADT file;

wherein the database accepts the tagged data and the marked up data from the parsing engine; and

wherein the assembly engine generates the clinical resume with information including information mined from the ADT file.

Claim 32 (Currently Amended): The system of claim 31 wherein the validator has a third input connected to the output of the assembly engine to check the clinical resume for errors, inconsistent data, and incompletely entered data, the validator supplying accepted clinical resumes at a third output and unaccepted clinical resumes with notated errors at the second output, and wherein the second input of the validator accepts correction procedures selected

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~~from the group~~ including permitting error overrides, correcting errors, returning the entered information for correction, and reentering the clinical resume after correction.

Claim 33 (Currently Amended): The system of claim 32 wherein the parsing engine accepts coding data, discharge instructions, laboratory results, and pharmacy records ~~selected from the group~~ including patient identity fields, account number, worktype ID, job number, transcriptionist ID, dictation date, creation date, facility identity fields, physician identity fields, discharge diagnosis coding fields, procedure coding fields, discharge coding fields, laboratory result fields, and radiation result fields.

Claim 34 (Original): The system of claim 33 wherein the parsing engine marks up and stores a plurality of physician transcriptions identified as Reasons for Admission, Impression on Admission, and Consultations; and

wherein the assembly engine automatically generates a clinical resume with a plurality of Reasons for Admission, Impressions on Admission, and Consultations transcriptions mined from the database.

Claim 35 (Original): The system of claim 34 wherein the parsing engine accepts modifications and corrections to the originally entered coding data, descriptive information, laboratory results, pharmacy records, audio and graphical records, and physician transcriptions, and stores the modifications as data objects in the database; and

wherein the assembly engine tracks the original and modified data objects.

Claim 36 (Cancelled).

Claim 37 (New): The system of claim 31 wherein the database stores the marked up data objects as binary large objects (BLOBs).

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Claim 38 (New): The system of claim 31 wherein the database supplies the discharge date to the assembly engine; and

wherein the assembly engine automatically generates the clinical resume in response to receiving the discharge date.